IN THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) A relay device, comprising:

connection detection means for detecting that a client terminal is in a communicable state with a network, when the client terminal connects to another information transmission device through the network and uses a service provided through the connection;

information transmission means for transmitting undelivered information to the client terminal; and

notification transmission means for transmitting, to an information transmission device, results from the connection detection means including information that the client terminal is in the communicable state with the network.

2. (Currently Amended) The relay device according to claim 1,

wherein the connection detection means acquires transmission-related information required to transmit information to the client terminal, [[and]]

the relay device further includes wherein the notification transmission means for transmitting transmits the results from the connection detection means and the acquired transmission-related information to [[an]] the information transmission [[means]] device for transmitting the undelivered information to the client terminal.

3. (Currently Amended) The relay device according to claim 1, further comprising: wherein the information transmission means for transmitting transmits the undelivered information to the client terminal, provided that the connection detection means detects that the client terminal is in the communicable state with the network.

4. (Previously Presented) The relay device according to claim 3,

wherein the information transmission means selects the undelivered information to be transmitted to the client terminal from information stored in transmission information storage means, provided that the connection detection means detects that the client terminal is in the communicable state with the network, and transmits the selected undelivered information to the client terminal.

5. (Original) The relay device according to claim 4,

wherein the information transmission means transmits the selected undelivered information to the client terminal together with other information transmitted to the client terminal.

6. (Original) The relay device according to claim 5,

wherein the other information transmitted to the client terminal is information transmitted/received by use of HTTP; and

the information transmission means adds the selected undelivered information by changing the HTTP header of the other information transmitted to the client terminal, and transmits the selected undelivered information to the client terminal.

7. (Original) The relay device according to claim 4,

wherein the information transmission means transmits the selected undelivered information to the client terminal separately from other information transmitted to the client terminal.

8. (Currently Amended) An information transmission device, comprising:

notification reception means for receiving a notification, <u>transmitted from a relay</u> <u>device,</u> concerning detection of a client terminal that is in a communicable state with a network, when the client terminal connects to another information transmission device through the network and uses a service provided through the connection; and

information transmission means for transmitting undelivered information to the client terminal, provided that the notification reception means receives the notification<u>, and for</u> <u>transmitting the undelivered information to the relay device if a transmission of the</u> <u>undelivered information, to the client terminal, is not received by the client terminal</u>.

9. (Previously Presented) The information transmission device according to claim 8, wherein the information transmission means selects the undelivered information to be transmitted to the client terminal from information stored in transmission information storage means, provided that the connection detection means detects that the client terminal is in the communicable state with the network, and transmits the selected undelivered information to the client terminal.

10. (Original) The information transmission device according to claim 8, wherein the notification reception means receives transmission-related information required to transmit information to the client terminal; and

the information transmission means transmits the undelivered information to the client terminal, provided that the notification reception means receives the transmission-related information.

11. (Currently Amended) An information transmission method, comprising:

detecting, by use of a relay device including connection detection means, that a client terminal is in a communicable state with a network, when the client terminal connects to another information transmission device through the network and uses a service provided through the connection;

transmitting, to an information transmission device, results from the connection detection means including information that the client terminal is in the communicable state with the network; and

transmitting, by use of the information transmission device including information transmission means, undelivered information to the client terminal, provided that the connection detection means detects that the client terminal is in the communicable state with the network.

12. (Currently Amended) The information transmission method according to claim 11,

wherein the step of transmitting, by use of the information transmission device including the information transmission means, comprises selecting, by use of the information transmission means, the undelivered information to be transmitted to the client terminal from information stored in transmission information storage means, provided that the connection detection means detects that the client terminal is in the communicable state with the network, and transmits the selected undelivered information to the client terminal.

13. (Currently Amended) The information transmission method according to claim 12,

wherein the step of transmitting, by use of the information transmission device including the information transmission means, comprises transmitting, by use of the

information transmission means, the selected undelivered information to the client terminal together with other information transmitted to the client terminal.

14. (Currently Amended) The information transmission method according to claim 13,

wherein the ~~step of~~ transmitting, by use of the information transmission device including the information transmission means, comprises transmitting the other information transmitted to the client terminal being information transmitted/received by use of HTTP, and ~~the step of transmitting comprises transmitting, by use of the information transmission means that adds~~ adding the selected undelivered information by changing the HTTP header of the other information transmitted to the client terminal, and ~~transmits~~ transmitting the selected undelivered information to the client terminal.

15. (Currently Amended) The information transmission method according to claim 12,

wherein the ~~step of~~ transmitting, by use of the information transmission device including the information transmission means, comprises transmitting, by use of the information transmission means that transmits the selected undelivered information to the client terminal separately from other information transmitted to the client terminal.

16. (Previously Presented) The information transmission method according to claim 11, further comprising:

acquiring, by use of the connection detection means, transmission-related information required to transmit information to the client terminal; and

outputting, by use of the connection detection means, the acquired transmission-related information to the information transmission means.

17. (Currently Amended) A relay device, comprising:

a connection detection unit configured to detect that a client terminal is in a communicable state with a network, when the client terminal connects to another information transmission device through the network and uses a service provided through the connection;

an information transmission unit configured to transmit undelivered information to the client terminal; and

a notification transmission unit configured to transmit, to an information transmission device, results from the connection detection unit including information that the client terminal is in the communicable state with the network.

18. (Currently Amended) An information transmission device, comprising:

a notification reception unit configured to receive a notification, transmitted from a relay device, concerning detection of a client terminal that is in a communicable state with a network, when the client terminal connects to another information transmission device through the network and uses a service provided through the connection; and

an information transmission unit configured to transmit undelivered information to the client terminal, provided that the notification reception unit receives the notification, and transmit the undelivered information to the relay device if a transmission of the undelivered information, to the client terminal, is not received by the client terminal.

19. (Currently Amended) The relay device according to claim 1, further comprising:

undelivered information storage means for storing undelivered information that ~~a~~ ~~mail server~~ <u>the information transmission device</u> had previously attempted, and failed, to transmit to the client terminal~~; and~~<u>,</u>

<u>wherein the</u> information transmission means ~~for selecting~~ <u>selects</u> the undelivered information from the undelivered information storage means and ~~transmitting~~ <u>transmits</u> the undelivered information to the client terminal, when the connection detection means detects that the client terminal is connected and in the communicable state with the network.

20. (Previously Presented) The information transmission device according to claim 8, further comprising:

undelivered information storage means for storing the undelivered information,

wherein the information transmission means selects the undelivered information from the undelivered information storage means and transmits the selected undelivered information to the client terminal.

21. (Currently Amended) The information transmission method according to claim 11, further comprising:

storing the undelivered information in undelivered information storage means; and

selecting the undelivered information from the undelivered information storage means,

wherein the ~~step of~~ transmitting<u>, by use of the information transmission device</u> <u>including the information transmission means,</u> comprises transmitting, by use of the information transmission means, the selected undelivered information to the client terminal.

22. (Currently Amended) The relay device according to claim 17, further comprising:

an undelivered information storage unit configured to store undelivered information

that ~~a mail server~~ <u>the information transmission device</u> had previously attempted, and failed,

to transmit to the client terminal~~; and~~

[[an]] <u>wherein the</u> information transmission unit <u>is</u> configured to select the

undelivered information from the undelivered information storage unit and to transmit the

undelivered information to the client terminal, when the connection detection unit detects that

the client terminal is connected and in the communicable state with the network.

23. (Previously Presented) The information transmission device according to claim

18, further comprising:

an undelivered information storage unit configured to store the undelivered

information,

wherein the information transmission unit is configured to select the undelivered

information from the undelivered information storage unit and to transmit the selected

undelivered information to the client terminal.